

Message Text

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ACTION NRC-07

INFO OCT-01 EA-10 ISO-00 OES-09 ACDA-12 IO-13 CIAE-00

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TO SECSTATE WASHDC PRIORITY 2468

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C O N F I D E N T I A L SEOUL 6464

DEPT PASS NRC, J. LAFLEUR AND OES/NET, R. LIIMATAINEN

E.O. 11652: GDS

TAGS: TECH, ENRG, KS

SUBJECT: REACTOR SAFETY ADVICE TO KOREA ON INITIATION OF NUCLEAR POWER

PROGRAMS

REF: A) STATE 172991; B) SEOUL 5634

1. BID PACKAGES OF FRG'S KRAFTWERK UNION AND FRANCE'S FRAMATOME FOR CONSTRUCTION AND CONCOMITANT TECHNOLOGY TRANSFER OF KOREA ELECTRIC CO.'S KO-RI UNITS 3 AND 4 (WESTINGHOUSE SUBSEQUENTLY WAS AWARDED THE CONTRACT FOR THE 1000 MWE NUCLEAR ISLAND OF BOTH UNITS) INCLUDED SECTIONS DEALING WITH NUCLEAR TECHNOLOGY COOPERATION (BETWEEN INSTITUTES, UNIVERSITIES AND NUCLEAR R&D CENTERS) LICENSING AND REGULATORY ACTIVITIES (BETWEEN GOVERNMENT LICENSING AUTHORITIES, REACTOR SAFETY ORGANIZATIONS AND INSPECTION BODIES).

2. RESEARCH AND DEVELOPMENT (R&D) COOPERATION WOULD INCLUDE BASIC RESEARCH, GENERAL NUCLEAR SCIENCE, AND JOINT UNDERTAKINGS INVOLVING USE OF R&D FACILITIES. PROGRAM WOULD INVOLVE
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EXCHANGE OF SCIENTISTS AND INFORMATION DEALING WITH SCIENTIFIC RESEARCH AND CONTINUING DEVELOPMENT OF NUCLEAR TECHNOLOGY.

3. LICENSING PROCEDURE ASSISTANCE WOULD INVOLVE PREPARATION OF MANUFACTURER'S EQUIVALENT OF A PRELIMINARY SAFETY ANALYSIS REPORT (PSAR). PLEASE NOTE FRAMATOME AND

KRAFTWERK UNION BOTH BID TURNKEY CONTRACT AND IT IS CUSTOMARY FOR U.S. REACTORS TO PREPARE PSAR FOR CUSTOMER AS PART OF TURNKEY BID. COST OF GERMAN AND FRENCH EQUIVALENT OF PSAR WAS NOT ITEMIZED IN EITHER BID. PROCEDURAL LICENSING ASSISTANCE WOULD INCLUDE COMPONENT MANUFACTURING INSPECTION, CONSTRUCTION PERMIT AND OPERATING LICENSE, PLANT ERECTION AND COMMISSIONING INSPECTIONS, ETC. LICENSING EXPERTS AND GOVERNMENT OFFICIALS WOULD BE EXCHANGED AS WELL AS INFORMATION AND INTERPRETATION OF APPLICABLE LAWS. IT SHOULD BE NOTED THAT GERMANY LAW REQUIRES EXPORTED PLANTS MUST MEET AS A MINIMUM THE SAFETY REGULATIONS WHICH PERTAIN TO A PLANT BEING BUILT IN FRG.

4. INVOLVED GERMAN SAFETY ORGANIZATIONS INCLUDE: THE INSTITUTE OF REACTOR SAFETY, TECHNICAL INSPECTION ORGANIZATION (TUV), REACTOR SAFETY COMMISSION. COMPARABLE FRENCH ORGANIZATIONS WERE CITED IN FRAMATOME BID.

5. ROKG HAS FOLLOWING NUCLEAR RELATED AGREEMENTS WITH FRANCE, FRG, AND CANADA:

A) MEMORANDUM OF UNDERSTANDING FOR SCIENTIFIC COOPERATION BETWEEN THE KOREA SCIENCE AND ENGINEERING FOUNDATION (KOSEF) OF THE REPUBLIC OF KOREA AND DEUTSCHE CONFIDENTIAL

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FORSCHUNGSGEMEINSCHAFT (DFG) OF THE FEDERAL REPUBLIC OF GERMANY (JULY 4, 1977).

B) AGREEMENT BETWEEN THE GOVERNMENT OF THE REPUBLIC OF KOREA AND THE GOVERNMENT OF THE REPUBLIC OF CANADA FOR COOPERATION IN THE PEACEFUL USES OF ATOMIC ENERGY (23 JANUARY 1976).

C) AGREEMENT FOR TECHNICAL COOPERATION IN ATOMIC ENERGY BETWEEN THE MINISTRY OF SCIENCE AND TECHNOLOGY OF THE REPUBLIC OF KOREA AND THE COMMISSARIAT A L'ENERGIE ATOMIQUE THE REPUBLIC OF FRANCE (19 OCTOBER 1974).

D) AGREEMENT BETWEEN THE GOVERNMENT OF THE REPUBLIC OF KOREA AND THE GOVERNMENT OF CANADA REGARDING TECHNICAL COOPERATION (APRIL 1971).

E) AGREEMENT BETWEEN THE GOVERNMENT OF THE REPUBLIC OF KOREA AND THE GOVERNMENT OF THE FEDERAL REPUBLIC OF GERMANY REGARDING TECHNICAL COOPERATION (28 SEPTEMBER 1966).

F) AGREEMENT FOR CULTURAL AND TECHNICAL COOPERATION

BETWEEN THE GOVERNMENT OF THE REPUBLIC OF KOREA AND THE
GOVERNMENT OF THE FRENCH REPUBLIC (28 DECEMBER 1965).

6. ADDITIONAL AGREEMENTS ARE UNDER NEGOTIATION (REFTEL B).
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